

Aron Teh

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💼 Professional Experience

Google

07/2025 – present | London, U.K.

Software and Site Reliability Engineer

- Designed and implemented critical observability upgrades for Google Compute Engine (**GCE**) AI dashboards, providing granular machine fleet health visibility, accelerated investigation and improved **SLO** defense.
- Explored and prototyped autonomous playbook investigations using **Gemini CLI** Custom Slash Commands.

Stripe

03/2024 – 04/2025 | Dublin, Ireland

Software Engineer

- Built **API** features for Stripe's Klarna Integration in collaboration with Klarna's major version API upgrade.
 - Individually scoped and implemented complex, nested *Supplementary Purchase Data* fields, enabling Klarna to complete payment assertive risk assessments, minimising fraud and improving conversion rates.
 - Introduced support to correlate *purchase countries* with *payments* , facilitating regulatory compliance.
- Extended Klarna integration pricing structure to support custom pricing for *multiple financing periods* .
 - Facilitated **\$20M/month** in new payment volume due to early adoption from large enterprise merchants.
 - Coordinated between engineering, product and pricing teams, coding across **Ruby** and **Java** codebases.
 - Identified critical pricing system shortfalls. Proposed and rallied large cross-team improvement efforts.
- Leadership:** Organised a 3-day knowledge sharing onsite for a newly-formed team of 4 Stripe engineers.
- Served on the interview committee. Wrote and provided guidance for new interview question creation.

Amazon

11/2022 – 02/2024 | London, U.K.

Software Engineer

- Implemented right-to-left language and layout support for Prime Video's **React/TypeScript** application.
 - Built the 2-dimension RTL input navigation logic, and the global application direction state manager.
 - Planned and delegated tasks to 3 engineers. Launch in 8 regions increased Prime subscriptions by **11.52%**.
- Redesigned legacy React elements into performant **SolidJS** components, reducing app FPS bottlenecks.
- Migrated Prime Video's metrics and monitoring system to a structured, efficient and predictable platform.
- Resolved customer-impacting high severity on-call incidents, utilising **AWS CloudWatch** and Elasticsearch.

THG

09/2021 – 10/2022 | Manchester, U.K.

Software Engineer

- Developed complex **Angular** UIs in collaboration with UX designers, used by **100+** enterprise clients.
- Maintained Java **GraphQL** APIs powering the Content Management System (CMS) for THG Commerce .
- Created and owned the team's documentation, accelerating engineer onboarding and development velocity.

🎓 Education

Imperial College London

2017 – 2021 | London, U.K.

MEng Aeronautical Engineering, 2:1 (69.6%)

- Notable Modules: **High Performance Computing**, Mathematics, Numerical Analysis, Optimisation, Finance.

💡 Notable Technical Projects

Relay

2025

- Feature-rich Bughouse Chess match replay, analysis and sharing tool, built for the Bughouse community and ubiquitously used by top players. Integrates with Firebase (Auth, Firestore) and the **chess.com API** .

Arceo

2023

- Full-stack web application where users generate and customise fashion designs using fine-tuned AI models.
- Supported multi-modal image generation and enterprise-level **authentication, storage** and responsiveness.

🏅 Volunteering and Leadership

President, Imperial College London Chess Club

2018 – 2019 | London, U.K.

Formed, participated and led university team to **1st** place victories in BUCA , LCL and **20/20 Championship**.

Volunteer, World Chess Championship Match

2018 | London, U.K.

Exclusively managed playing stage for Carlsen and Caruana alongside FIDE organisers, arbiters and security.

🧠 Skills and Interests

- Technical Skills:** React (v19), Next.js (v16), Angular (JavaScript), CSS, Python, MongoDB, REST, GraphQL, gRPC, Jest, JUnit, Git, AWS, Testing, Firebase, Bazel, Docker, Kubernetes, CI/CD, Flask, SQL, Bash, npm, RxJS.
- Interests/Hobbies:** Chess (National Champion , FIDE Master), Machine Learning , Swimming
- Languages:** English (Native), Chinese (Native), German (Beginner), Cantonese (Beginner)